

Objective: Design a line of containers for mini-oreos using the following shapes - Prism, Cylinder, Pyramid, Cone

Day 1 - Feb 28

Bring in several different products - Have students critique each product package

What makes it a good or bad package?

Give students entry document - Assign group roles and review project calendar

Individual Journal - *What considerations should we make when designing a package?*

Have students share their responses with group and begin research for design

Day 2 – March 2

Complete research

Develop surface area formulas from nets of each shape/ create formula sheet

Practice problems with surface area

Day 3 – March 4

More practice problems with surface area

Begin working on package designs and calculations for surface area & production costs

Day 4 – March 7

Packaging Problems Activity

Work on designs and calculations

Day 5 – March 9

Quiz on Surface Area

Experiment with volume - develop volume formulas

Add volume formulas to formula sheet

Create model of packages

Day 6 – March 11

Practice with volume

Work on project - calculate volume and number of oreos the container can hold

Day 7 – March 14

Finish project report

Prepare for presentations

Day 8 – March 16

Present

Review for test

Day 9 – March 18

Test